BRUHATH BANGALORE MAHANAGARA PALIKE, DASARAHALLI ZONE

Office of the Executive Engineer Dasarahalli Division,

Schedule - B

NAME OF WORK:Drilling of Borewells and Providing pipe line at Kempegowda Garden Nisarga Layout and Sapthagiri Layout Surrounding area in Ward No 12

Sl. No	Description of work	Unit	Qty	Rates Quoted by Contractor Sri Hanumanth G Naik ( )	
				In Figures (Rs.)	In Words (Rs.)
1	2	3	4	5	6
1	Geophysical survey geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the hand pumps, MWS or PWSS by vertical electrical sounding by adopting venner or schlumbergers's method including recoonnaisance suevey of geological formation Geophysical investigation of existing ground Water in the vicinity. its quality , quality & acceptabality of the users indicating the location of the site recommendeddepth of casing pipe required to seal the tope unconsolidated formation including an extra depth 1.0 metre in consolidated formation for aquire proposed to be tapped propable yield and other information required including transportation of instrument and accessories to work site, engating technical personal and labour etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Each	2	3315.46	Rupees Three Thousand Three Hundred Fifteen and Forty Six Paise Only
2	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs with 20mm and down size graded granite metal coarse aggregate @ 0.84cum and fine aggregate @ 0.56 cum machine mixed concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing etc., complete as per specifications and as per the direction of Engineer-in-charge of the work. 0.00 to 50.00 mtrs	Rmtr	100	305.33	Rupees Three Hundred Five and Thirty Three Paise Only
3	50mtr to 100.00 mtr	Rmtr	100	388.92	Rupees Three Hundred Eighty Eight and Ninety Two Paise Only

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4	100.00 to 150.00 mtr	Rmtr	100	401.23	Rupees Four Hundred One and Twenty Three Paise Only
5	150.00 to 200.00 mtr	Rmtr	100	471.63	Rupees Four Hundred Seventy One and Sixty Three Paise Only
6	200.00 to 250.00 mtr	Rmtr	100	557.86	Rupees Five Hundred Fifty Seven and Eighty Six Paise Only
7	250.00 to 300.00 mtr	Rmtr	100	615.93	Rupees Six Hundred Fifteen and Ninety Three Paise Only
8	300.00 to 350.00 mtr	Rmtr	100	725.92	Rupees Seven Hundred Twenty Five and Ninety Two Paise Only
9	350.00 to 400.00 Mtr	Rmtr	100	791.91	Rupees Seven Hundred Ninety One and Ninety One Paise Only
10	Providing and Fixing 250mm dia PVC pipeetc., Complete as per specifications and as per the direction of Engineer-in-charge of the work.	Mtr	198	1938.76	Rupees One Thousand Nine Hundred Thirty Eight and Seventy Six Paise Only
11	Supply of ISI Mark 175mm Nominal bore ,plain end steel Casing pipe- grade of steel Fe 410 of wall thickness 5.4 mm thick conforming to IS 1387/1993 and manufactured by basic open hearth electric or basic oxygen process in random lenth of 5 to 7mtrs. Both ends threaded Confirming to IS 554/1985. One end fitted with a Socket Confirming to IS 4270:2001 and the other end with Screwed pipes . All pipes shall be reasonably free from defects. The tube shall be reasonably straight should be with ISI marking, weighing 25.10kg/mtr complete as per specifications and as per the direction of Engineer-in-charge of the work.	Rmtr	70	1165.87	Rupees One Thousand One Hundred Sixty Five and Eighty Seven Paise Only

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12	Providing 175 mm dia MS Collar etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	No	2	131.99	Rupees One Hundred Thirty One and Ninety Nine Paise Only
13	Providing 175 mm dia MS Cap etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	No	2	87.99	Rupees Eighty Seven and Ninety Nine Paise Only
14	Providing Supplying to work site and fixing submersible pump sets of 150mm dia suitable for borewell and confirming to IS 8034:3phase SS Bowl & Impeller with Low Volt motor as per Specifications as per necessary ammendments and instructions complete as per specifications and as per the direction of Engineer-in-charge of the work.	No	2	68938.41	Rupees Sixty Eight Thousand Nine Hundred Thirty Eight and Forty One Paise Only
15	Supplying, laying, jointing testing and commissioning of GI pipes confirming to IS 1239:1990 with latest amendments, including fising collars, Elbows, Tees, bends, Glad Cocks and other Fittings (Excluding Cost of Specials) with Cuts and Threads wherever necessary including conveying the materials to workspot, including testing for water tightness with all lead and lifts etc complete (Contractor shall make his own arrangements for procuring water for testing) Class-C - Heavy 50mm Dia etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Rmtr	600	407.39	Rupees Four Hundred Seven and Thirty Nine Paise Only
16	Suppy and fixing 50mm dia GI collar Heavy duty etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Nos	100	158.38	Rupees One Hundred Fifty Eight and Thirty Eight Paise Only
17	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to IS:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100Volts as per IS-694:1990.3C X 6.0Sq.mm etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Rmtr	1200	180.38	Rupees One Hundred Eighty and Thirty Eight Paise Only
18	Supply and fixing 50mm dia GI Union with ISI mark etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	No	2	196.83	Rupees One Hundred Ninety Six and Eighty Three Paise Only

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19	Supply and fixing 50mm dia GI Union with ISI mark etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	No	6	91.77	Rupees Ninety One and Seventy Seven Paise Only
20	Supply and delivery at site of brand new best make non-return valve as per IS 778/1984 With ISI Mark and as per its latest amendments 50mm Dia etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	No	2	1033.88	Rupees One Thousand Thirty Three and Eighty Eight Paise Only
21	Supplying and fixing 50mm dia GI Elbow with ISI mark etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	No	6	98.37	Rupees Ninety Eight and Thirty Seven Paise Only
22	Supplying and delivery at site brand new star/Essen/Lotus/Sun-Shines/Adarsh/ G.K.Controls Best Indigenous make combined energy meter-cum-control panel board unit minimum mechanically strong suitable for operation on 3HP 50HZ 380/440 Volts AC supply with spring loaded latch locking Device with a key Ribbs should be provided. contron panal board unit suitable for operation on 3HP 50HZ 380/440 Volts AC shall be consists Etc. complete the panal board shall be fabricated in single unit in the above components panal board suitable pump set 10HP to 20HP with stae delta starter out door panel board up to 20HP Complete as per specifications and as per the direction of Engineer-in-charge of the work.	No	2	18477.9	Rupees Eighteen Thousand Four Hundred Seventy Seven and Ninety Paise Only
23	Labour charges for Erection, Electrification and commissioning of Pump sets, including aligning and balancing of all items including supply and erection of two pair of supporting clamps, bore well caps, cable clips and water tight gland cable protectors, bolts, nuts, valve and gauges,tools and equipments etc., involved in the job as per specifications, with necessary tests Complete as per specifications and as per the direction of Engineer-in-charge of the work.	Job	2	4971.44	Rupees Four Thousand Nine Hundred Seventy One and Forty Four Paise Only
24	Labour charges for erection of outdoor type panel board and meter board units with all necessary materials and labour, tools and equipments including providing cement concrete foundation bed etc., Complete as per specifications and as per the direction of Engineer-in-charge of the work.	Job	2	1054.12	Rupees One Thousand Fifty Four and Twelve Paise Only

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25	Supplying of TPST with rewirable porcelain channels in SM enclosure 32 amps Complete as per specifications and as per the direction of Engineer-in-charge of the work.	No	2	1583.82	Rupees One Thousand Five Hundred Eighty Three and Eighty Two Paise Only
26	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs crews 20'x20'x2.5' Complete as per specifications and as per the direction of Engineer-in-charge of the work.	No	2	256.93	Rupees Two Hundred Fifty Six and Ninety Three Paise Only
27	Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 230/440v A.C. 50 Hz 12/24v D.C. Complete as per specifications and as per the direction of Engineer-in-charge of the work.	No	2	378.36	Rupees Three Hundred Seventy Eight and Thirty Six Paise Only
28	Supplying, fixing and wiring heavy duty low voltage capacitors conforming to IS 2834, 3 phase, 400/440 volts grade, for power factor improvement of rotating machineries like induction motor. 2KVAR Complete as per specifications and as per the direction of Engineer-in-charge of the work.	No	2	351.96	Rupees Three Hundred Fifty One and Ninety Six Paise Only
29	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898, 6 to 32amps Complete as per specifications and as per the direction of Engineer-in-charge of the work.	No	2	1509.03	Rupees One Thousand Five Hundred Nine and Three Paise Only
30	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. outouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 12 mm dia Complete as per specifications and as per the direction of Engineer-in-charge of the work.	No	2	2639.44	Rupees Two Thousand Six Hundred Thirty Nine and Forty Four Paise Only

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31	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class 40mm dia Complete as per specifications and as per the direction of Engineer-in-charge of the work.	Rmtr	8	294.77	Rupees Two Hundred Nine Four and Seven Seven Paise O
32	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 Complete as per specifications and as per the direction of Engineer-in-charge of the work.	Rmtr	90	131.99	Rupees One Hundred Thir One and Nine Nine Paise On
33	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) cutting road surface in hard soil Complete as per specifications and as per the direction of Engineer-in-charge of the work.	Rmtr	80	89.75	Rupees Eight Nine and Seven Five Paise On
34	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.6 sqmm to 16 sqmm. Complete as per specifications and as per the direction of Engineer-in-charge of the work.	No	90	10.45	Rupees Ten an Forty Five Pais Only
35	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc., Complete as per specifications and as per the direction of Engineer-in-charge of the work.	No	6	237.57	Rupees Two Hundred Thirty Seven and Fifty Seven Paise On
36	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers Complete as per specifications and as per the direction of Engineer-in-charge of the work.	No	6	153.1	Rupees One Hundred Fifty Three and Ten Paise Only
37	Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc. in the following classification.(RDWS SR 2019-20Pg No.08 I.No.2.26)Cutting Asphalt Road Surface Complete as per specifications and as per the direction of Engineer-in-charge of the work.	Cum	10.8	476.91	Rupees Four Hundred Seventy Six and Ninety One Paise Only

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38	Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc. in the following classification.(RDWS SR 2019-20Pg No.08 I.No.2.26)Cutting in cement concrete road Surface Complete as per specifications and as per the direction of Engineer-in-charge of the work.	Rmtr	4.5	973.17	Rupees Nine Hundred Seventy Three and Seventeen Paise Only
39	Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendments 50mm dia Complete as per specifications and as per the direction of Engineer-in-charge of the work.	Each	2	1047.08	Rupees One Thousand Forty Seven and Eight Paise Only

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